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(71) Applicant (for all designated States except US): **QINETIQ LIMITED** [GB/GB]; Registered Office, 85 Buckingham Gate, London SW1 6PD (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COMBES, David, J.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room E9A1, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **BRUNSON, Kevin, M.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room E9A8, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **McNIE, Mark, E.** [GB/GB]; QinetiQ

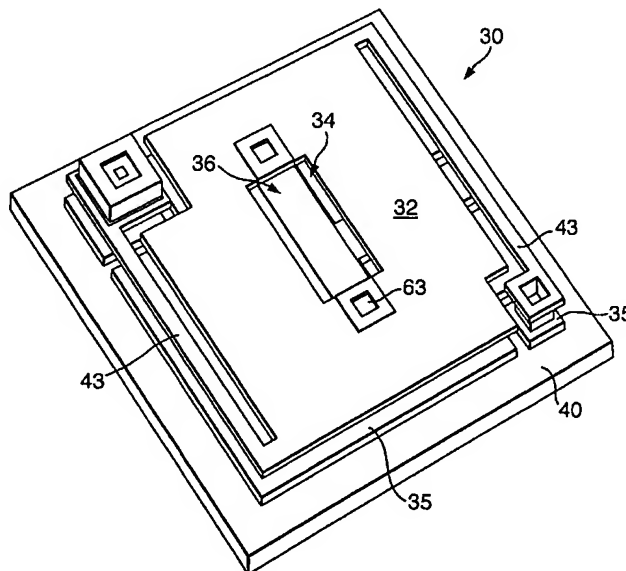
Limited, Malvern Technology Centre, Room E9A8, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **DAVIES, Rhodri, R.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room E9A8, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **TODD, Michael, A.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room E610, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **DONOHUE, Paul, P.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room A612, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **ANTHONY, Carl, J.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room A612, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB). **LEWIS, Keith, L.** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Room M340-1, St Andrew's Road, Malvern, Worcestershire WR14 3PS (GB).

(74) Agent: **DUNN, P., E.**; QinetiQ Ltd, IP Formalities, Cody Technology Park, A4 Building, Room G016, Ively Road, Farnborough, Hampshire GU14 0LX (GB).

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(54) Title: **THERMAL DETECTOR**



(57) Abstract: A device for detecting infrared radiation is described that comprises a resonator element (36; 72; 96; 120) fixably attached to a supporting frame (32;130). The supporting frame (32;130) is arranged to absorb infrared radiation received by the device. The resonator element (36; 72; 96; 120) has a resonant property, such as resonant frequency, that varies with temperature. The device may comprise a plurality of detection elements (70), each detection element comprising a resonator element (72) fixably attached to a supporting frame. A thermal detector array device may also be provided.

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